

WAC 51-11C-40702 Section C407.2—Mandatory requirements. C407.2
Mandatory requirements.

Table C407.2
Mandatory Compliance Measures for Total
Building Performance Method

Section ^a	Title	Comments
Other Requirements		
C411.3	Solar readiness	
C411	Solar readinessRenewables	
C412	Compressed air systems	

Commented [MK1]: C411 now includes on-site renewables but this reference was not changed. Are on-site renewables mandatory? If yes the title should change to Renewables. If no then the section number should be changed to C411.3

Note that currently C411 requires site solar. If C411 is not mandatory then C407 can do offsite and all other have to do onsite. Not really fair

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Commented [MK2]: New section C412

WAC 51-11C-40703 Section C407.3—Performance-based compliance.
C407.3 Performance-based compliance. Compliance with this section requires compliance with ASHRAE Standard 90.1 Appendix G, Performance Rating Method, in accordance with Standard 90.1 Section 4.2.1 with the following modifications:

1. The mandatory requirements of the Washington State Energy Code are required to be met, instead of those of Section G1.2.1a of ((Standard)) ANSI/ASHRAE/IESNA 90.1 ((are not required to be met)).

2. Compliance with Section C407 requires meeting both an emissions and site energy reduction target in accordance with the following:

2.1. Carbon emissions target. The carbon emissions target is focused on regulated load energy efficiency, thus shall be met only via regulated load savings without consideration of the contribution of on-site or off-site renewable energy or unregulated load savings. Adjustments to the PCoutI, to account for the contribution of renewable energy found in ANSI/ASHRAE/IESNA 90.1 Section 4.2.1.1 shall not be used. References to energy cost in Section 4.2.1.1 and Appendix G shall be replaced by carbon emissions calculated by multiplying site energy consumption by the carbon emission factor from Table C407.3(1).

The building performance factors in Table 4.2.1.1 of ANSI/ASHRAE/IESNA 90.1 shall be replaced with those in Table C407.3(2).

2.2. Site energy target. The site energy performance target shall be met including the contributions of on-site or off-site renewable energy as described in Section C411.2~~3~~ as well as the contributions of improvements in unregulated loads as allowed by Section C407.3.2. The annual on-site and off-site renewable energy production (as adjusted by the factors in Table C411.3.1) shall be subtracted from the proposed building annual site energy use. Compliance with the site energy performance target requires that the proposed building site energy use/baseline building site energy use is less than or equal to the site energy performance target from Table C407.3(2).

Commented [MK3]: I'm proposing to delete the bit in C411 that says "and subtracted from the proposed site energy use". This is to keep C411 okay for reference from other sections such as c406

Text added here now

Commented [MK4]: C411.2